

MATERIAL SAFETY DATA SHEET

BODIE-HOOVER PETROLEUM CORP.
P.O. Box 698
Lemont, IL 60439
(630) 257-7781

Page 1
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Emergency Telephone Number: 800-424-9300 (Chemtrec)

I. Product Identification

Name: EXTENDED-LIFE ANTIFREEZE

Product Code: BH-28000F

HMIS

Health	2*
Flammability	1
Reactivity	0
PPE	B

II. Composition and Hazard Information

<u>Component</u>	<u>CAS Registry</u>	<u>%</u>
Ethylene Glycol	107 - 21- 1	95
Hazardous component < 1%	----	2
Non -hazardous component	----	3

<u>Exposure Limits</u>	<u>PEL</u>	<u>ACGIH</u>	
Ethylene Glycol (CAS 107211)	50 ppm	50 ppm	Ceiling

III. Physical Data

Boiling Point:	>190 C	Solubility in H2O	100%
Vapor Pressure	< 0.1 mm Hg @ 20 C	Melting Point	N. A.
Spec Gravity (H2O = 1)	1.12 - 1.13	Evaporation Rate	
Vapor Density (air=1)	2.1	(BuAc= 1)	< 1
Appearance and odor	Thin, blue-green liquid; mild, sweet odor		

IV. Health Hazard Data

Eye Contact	Liquid, vapor or mist may cause slight irritation. Serious corneal injury not expected.
Skin Contact	No evidence of harmful effects.
Inhalation	Exposure to spray or mists may cause mucus membrane irritation. High vapor concentrations may cause nausea, vomiting, headache, dizziness and irregular eye movements
Ingestion *	May cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness, lumbar pain, oliguria, uremia, convulsions and coma. Cardiac failure and pulmonary edema may develop. Ingesting large amounts may cause severe kidney damage, liver damage and may be fatal.

JK 11-12-1

Ventilation

Maintain sufficient mechanical and/or local exhaust necessary to keep exposure below the TLV.

Respiratory

Use NIOSH approved face mask with organic vapor cartridge (not for use in fire-fighting) and dust or mist pre-filter.

Gloves

Use chemical resistant (butyl rubber or PVC coated rubber) gloves

Eyes

Chemical splash goggles or full face shield

Other

Use chemical resistant apron to prevent clothing from contamination. Eyewash stations should be available. Launder contaminated clothing prior to re-wearing.

X. Transportation and Regulatory Information**Package containing less than 5000 lb. are not DOT regulated****DOT Hazard Class**

Class 9

Shipping Name:

Environmentally Hazardous substance, liquid, NOS

I. D. Number

UN 3082

CERCLA

Requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities in 40 CFR 302.4

Component present in this product at a level which could require reporting:

Ethylene Glycol, CAS: 107-21-1

SARA Title III

Product contains a toxic chemical subject to the reporting requirements of section 313 of Title III of the *Superfund Amendments and Reauthorization Act of 1986* and 40 CFR part 372

RCRA Hazardous Waste number

Not Applicable

o be correct as of the date issued. HOWEVER, NO WARRANTY

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The Environmental Information included under Section 15 hereof as well as the Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Exxon Company, U.S.A. in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with Exxon's interpretation of the available data.